



Product information



Applications

Special cable for the decentralised ecobus® cabling system for installation in dry rooms. For permanent installation, e.g. in furniture, false walls, partition walls and building cavities. The cable can also be used in areas with explosion risk and run through damp and wet rooms. This cable type is Lloyd's Register approved and suitable for ship and offshore applications.

Construction/Composition

Power	
Copper conductor	Bare fine stranded wire to IEC 60228 Class 6, EN 60228 Class 6 (VDE 0295 Class 6)
Core Insulation	PVC, EN 50363-3, VDE 0207-363-3 „T12“ (former HD 21.1.S4)
Outer Sheath	PVC, EN 50363-4-1, VDE 0207-363-4-1 „TM2“ (former HD 21.1.S4)
Bus	
Copper conductor	Tinned Cu, fine strand, IEC 60228 Class 5, EN 60228 Class 5 (VDE 0295 Class 5)
Core insulation	PE, EN 50290-2-23 „L/MD“, VDE 0819-103 (former VDE 0207-2)
Shielding	Three aluminium-laminated tapes
Outer sheath	PVC, EN 50363-4-1, VDE 0207-363-4-1 „TM2“ (former HD 21.1.S4)
Core colours	Power cable: grey, black, brown, blue, green/yellow Bus cable: natural
Sheath colour	Blue lilac
Imprint	DAETWYLER ECOBUS® COMBI 5G2,5+2X1,5MM² TYP 8500-H 1KV VDE REG. NO. 9921 "production date" "meter marks"

Electrical properties

Nominal voltage	Power supply part 0,6/1KV, bus pair 300/300 V
Test voltage	4000 V, 50 Hz

General properties

Operating temperature	Permanent installation -15°C to +70°C During installation +5 °C to +50°C
Tested and certified	With reference to VDE 0283-2, EN 50214, (former HD 359 S2), EN 50363-3, EN 50363-4-1 and IEC 60227-6 BUS with reference to VDE 0817, VDE 0819-103, EN 50290-2-23
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2

Article No.	No. of cores x cross section	Cu Spec.	Weight	Dimensions	Fire load
	n x mm²	kg/km	kg/km	app. mm	kWh/m
187 028 / 187 031	5 x 2,5 + 2 x 1,5	149	337	32 x 6	1,18